CLAIMS

1. A curing resin composition containing
a siloxane oligomer (A) having an average molecular weight of 500 to 10000 in terms of ethylene glycol and
a fluorine compound (B) having a fluoroalkyl structure and a polysiloxane structure and having a number average molecular weight of 5000 or more in terms of polystyrene.

2. The curing resin composition according to claim 1, wherein a fluorine atom content in the curing resin composition is 20 wt % or more.

3. The curing resin composition according to claim 1 or 2, further containing a crosslinking compound.

4. The curing resin composition according to any of claims 1 to 3, further containing an acid generating agent.

5. A cured film obtained by curing a curing resin composition according to any of claims 1 to 4.

6. The cured film according to claim 5, wherein a ratio (Si/F) of a peak intensity of a silicon atom (Si) to a peak intensity of a fluorine atom (F) on a surface of the cured film as measured

with an X-ray photoelectron spectroscopic method is in the range of from 0.4 to 2.

7. An antireflection film comprising a hard coat layer formed on one surface of a transparent substrate directly or with another layer interposed there between and an antireflection layer laminated on a surface of the hard coat layer, wherein the antireflection layer is constituted of a cured film according to claim 5 or 6.

8. The antireflection film according to claim 7, wherein a surface of the hard coat layer has irregularity of protrusions and depressions combined and an antiglareness.

9. An optical element on one surface or both surfaces of which an antireflection film or antireflection films according to claim 7 or 8 are provided.

10. An image display to which an antireflection film according to claim 7 or 8 or the optical element according to claim 9 is mounted.